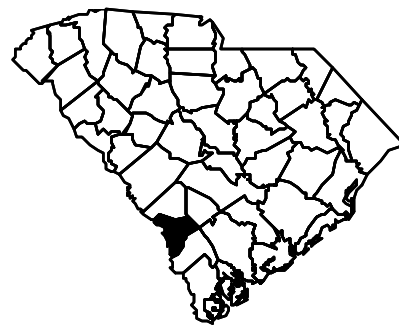


ASTHMA IN ALLENDALE COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

(May 2003)

Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2000, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

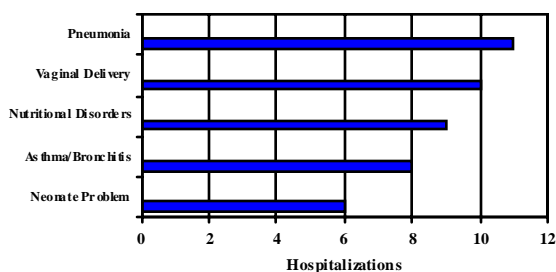
Impact of Asthma in Allendale County

- About 1259 (11.4%) adults in Allendale county suffer annually from asthma.
- In 2001, there were 8 hospitalizations for asthma in Allendale county for all ages.

Children Suffer the Most from Asthma

- Asthma/Bronchitis is the 4th leading cause of hospitalization in Allendale county for children under the age 18.

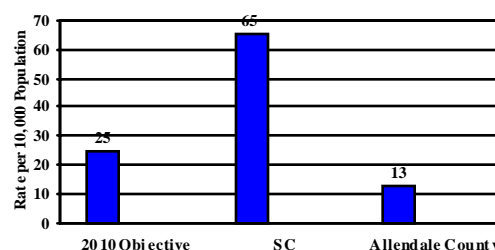
Leading Causes of Hospitalization in Children Aged 0-18, Allendale County, 2001



Data Source: Office of Research & Statistics

- In 2001, there were 2 asthma hospitalizations of children (<18 years) in Allendale county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Allendale county had a rate of 13 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Allendale County, 2001

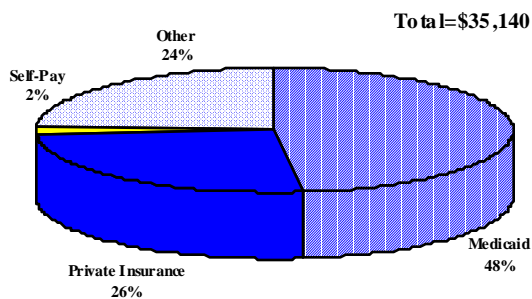


Data Source: Office of Research & Statistics

Cost of Asthma

- \$35,140 was charged in 2001 for hospital and ER visits in Allendale county for asthmatic children (<18 years).
- Medicaid covered nearly 48% of these charges.

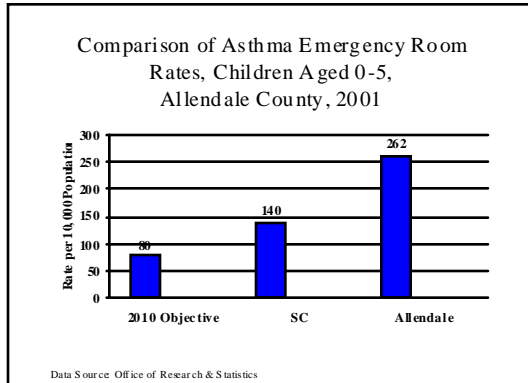
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Allendale County, 2001



Data Source: Office of Research & Statistics

Emergency Room

- 67 children under the age of 18 visited the ER due to asthma in Allendale county in 2001. This represents 59% of all ER visits due to asthma.
- \$22,940 was charged for ER visits in Allendale county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Allendale county had an ER rate of 262 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

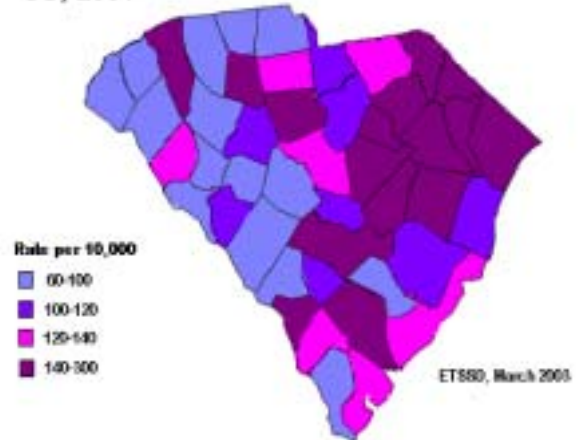


Disparities

- Non-white children under the age of 18 visit ER much more frequently than white children in the same age group
- No white children were hospitalized in Allendale county in 2001 for asthma.

| Hospital and Emergency Room Rates per 10,000 Children (< 18 years), 2001 | | | | |
|--|------------------|-----------|----------------|-----------|
| | Allendale County | | South Carolina | |
| | White | Non-white | White | Non-white |
| Hospital | 0 | 79.7 | 19.2 | 41.5 |
| ER | 40.5 | 247.2 | 46 | 155.5 |

Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



For more information on asthma contact:

SC DHEC Data Sources:

Behavior Risk Factor Surveillance System

Bureau of Epidemiology
(803) 545-4920

Vital Records

Division of Biostatistics
(803) 898-3649

Bureau of Air Quality

Outreach Section
(803) 898-4467

www.scdhec.net

Generated By:

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Bureau of Epidemiology

Hospital discharges and ER visits, contact:

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SC Budget and Control Board
1919 Blanding Street
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